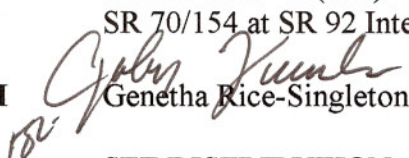


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007493, Fulton County **OFFICE** Preconstruction
CSSTP-0007-00(493)
SR 70/154 at SR 92 Intersection Improvements **DATE** November 20, 2006
FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Babs Abubakari
Bryant Poole
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

NOV 13 2006

INTERDEPARTMENT CORRESPONDENCE

FILE CSSTP-0007-00(493), Fulton County OFFICE District Seven
P.I. #: 0007493
SR 70/154 @ SR 92 Intersection Improvement DATE November 1, 2006
FROM Bryant Poole, District Seven Engineer
TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT **Revised Project Concept Report**

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The proposed project typical section has been changed from widening the existing intersection to provide for a 300-ft long, 12-ft wide right- and left-turn lanes to widening the intersection to two 11-ft thru lanes with an 11-ft left-turn of varying length (200-ft minimum) and 10-ft rural shoulders (4-ft of which is a paved shoulder) on all four approaches while maintaining the current roadway alignment.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE

11/9/06

Angela L. Alexander
State Transportation Planning Administrator

Attachment(s)

BP:WSL:gmc

cc: Brian Summers
Harvey Keepler
Keith Golden
Angela Alexander
Jamie Simpson
File

REVISED PROJECT CONCEPT REPORT

SR 70/154 @ SR 92 Intersection Improvement Project

CSSTP-0007-00(493)

PI #: 0007493

Need and Purpose: SR 92 and SR 70/154 is a highly traveled arterial for Fulton and Douglas County Commuters. Because the subject intersection has been identified as having an afternoon level of service (LOS) of F for all four approaches (Signal Warrant Analysis by Wolverton & Associates, 2005), it is being considered for improvement.

The current peak-hour-delay times in seconds for the subject intersection are as follows: SR 70/154 has morning delay times of 59.4 (LOS F) for the northbound approach and 16.0 (LOS C) for the southbound approach. SR 92 has morning delay times of 37.1 (LOS E) for the eastbound approach and 12.5 (LOS B) for the westbound approach. SR 70/154 has afternoon delay times of 131.7 (LOS F) for the northbound approach and 385.2 (LOS F) for the southbound approach. SR 92 has afternoon delay times of 169.1 (LOS F) for the eastbound approach and 463.1 (LOS F) for the westbound approach. Afternoon vehicles queues are up to one mile long due to inefficient left- and right-turn movement. Therefore, the project objective is to increase the intersection's efficiency.

Project location: This project is located in Fulton County, in Land District 9, Section C, Land Lots 29 and 38, and is at the intersection of SR 70/154 (Cascade-Palmetto Hwy) and SR 92 (Campbellton-Fairburn Rd). The project is 100 percent within congressional district 13.

Description of the approved concept: The proposed improvements for the intersection include widening the existing intersection to provide 300-ft long, 12-ft wide right- and left-turn lanes on all four approaches while maintaining the current road alignment. Included also in this intersection improvement is the installation of a traffic signal as warranted by signal warrants 1, 2, 3, and 8. To the extent possible, existing features of the intersection will be maintained for future use, e.g. the existing right-turning lanes.

PDP Classification: Major _____ Minor X

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), or Other ()

Functional Classification: Minor Arterials

U. S. Route Number(s): N/A

State Route Number(s): 70, 92, & 154

Traffic (AADT) as shown in the approved concept:

Current Year: SR 92 = 11,220 (2005)

SR 70/154 = 5,655 (2005)

Design Year: SR 92 = 39,530 (2025)

SR 70/154 = 19,930 (2025)

Proposed features to be revised: The only feature in the approved concept to be revised is the project's typical section. All other elements stated in the approved concept shall remain as approved in the approved concept.

Describe the revised feature(s) to be approved: Due to the existing Rights of Way limits and the existing topography, the proposed project typical section has been revised to provide for more suitable design that allows this project to meet its very tight budget and schedule constraints. The new project typical section will consist of two 11-ft thru lanes with an 11-ft left-turn lane rying length (200-ft minimum) and 10-ft rural shoulders (4-ft of which is a paved shoulder).

Updated traffic data (AADT):

Current Year: SR 92 = 12,726 (2007)
SR 70/154 = 6,414 (2007)

Design Year: SR 92 = 44,842 (2027)
SR 70/154 = 22,601 (2027)

Programmed/Schedule:

P.E. Authorized R/W: 2007 Construction: 2007

Revised cost estimates:

Construction Cost	\$ 749,863.52
Right of Way	\$ 0
<u>Utilities</u>	<u>\$ 0</u>
Total	\$ 749,863.52

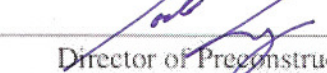
Is the project located in a Non-attainment area? X Yes No. This project does not add capacity to the existing roadways and conforms to the current model.

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Sketch Map,
2. Cost Estimate,

• **Exempt projects**

Concur: 
Director of Preconstruction

Approve: 
Chief Engineer

[illegible]

Estimate Report for file "CSSTP-0007-00(493)"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	40000.00	TRAFFIC CONTROL - CSSTP-0007-00(493)	40000.00
167-1000	2	EA	1542.18	WATER QUALITY MONITORING AND SAMPLING	3084.36
167-1500	8	MO	926.02	WATER QUALITY INSPECTIONS	7408.16
210-0100	1	LS	90000.00	GRADING COMPLETE - CSSTP-0007-00(493)	90000.00
310-1101	2830	TN	16.03	GR AGGR BASE CRS, INCL MATL	45364.90
402-1812	500	TN	85.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	42500.00
402-3121	1121	TN	85.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	95285.00
402-3130	1097	TN	85.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	93245.00
402-3190	875	TN	85.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	74375.00
413-1000	191	GL	1.26	BITUM TACK COAT	240.66
441-0104	91	SY	29.59	CONC SIDEWALK, 4 IN	2692.69
441-0740	484	SY	28.79	CONCRETE MEDIAN, 4 IN	13934.36
441-6022	60	LF	17.33	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	1039.80
446-1100	6250	LF	4.51	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	28187.50
550-1180	126	LF	34.88	STORM DRAIN PIPE, 18 IN, H 1-10	4394.88
550-1300	5	LF	53.88	STORM DRAIN PIPE, 30 IN, H 1-10	269.40
550-3318	8	EA	709.96	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	5679.68
550-4130	1	EA	561.35	FLARED END SECTION 30 IN, SIDE DRAIN	561.35
550-4218	8	EA	547.28	FLARED END SECTION 18 IN, STORM DRAIN	4378.24
603-2180	53	SY	34.60	STN DUMPED RIP RAP, TP 3, 12 IN	1833.80
603-7000	53	SY	4.26	PLASTIC FILTER FABRIC	225.78
639-4004	4	EA	5177.96	STRAIN POLE, TP IV	20711.84
641-1200	1557	LF	15.65	GUARDRAIL, TP W	24367.05
641-5001	5	EA	543.04	GUARDRAIL ANCHORAGE, TP 1	2715.20
641-5012	5	EA	1689.31	GUARDRAIL ANCHORAGE, TP 12	8446.55
647-1000	1	LS	70000.00	TRAFFIC SIGNAL INSTALLATION NO - 1	70000.00

Section Sub Total: \$680,941.20

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	524.79	TEMPORARY GRASSING	1049.58
163-0240	30	TN	203.71	MULCH	6111.30
163-0300	8	EA	1814.52	CONSTRUCTION EXIT	14516.16
163-0503	9	EA	515.77	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	4641.93
163-0521	23	EA	162.86	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	3745.78
165-0030	779	LF	1.34	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1043.86
165-0040	23	EA	71.33	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	1640.59
165-0087	9	EA	170.53	MAINTENANCE OF SILT CONTROL GATE, TP 3	1534.77
165-0101	8	EA	481.87	MAINTENANCE OF CONSTRUCTION EXIT	3854.96
171-0030	1556	LF	3.31	TEMPORARY SILT FENCE, TYPE C	5150.36
700-6910	4	AC	835.78	PERMANENT GRASSING	3343.12
700-7000	10	TN	59.16	AGRICULTURAL LIME	591.60
700-7010	8	GL	18.64	LIQUID LIME	149.12
700-8000	2	TN	288.53	FERTILIZER MIXED GRADE	577.06
700-8100	150	LB	1.68	FERTILIZER NITROGEN CONTENT	252.00
716-2000	2848	SY	1.12	EROSION CONTROL MATS, SLOPES	3189.76

Section Sub Total: \$51,391.95

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	84	SF	14.35	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	1205.40
636-1032	47	SF	27.99	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	1315.53
636-2070	195	LF	7.41	GALV STEEL POSTS, TP 7	1444.95
653-0120	11	EA	63.20	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	695.20
653-1501	6760	LF	0.30	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	2028.00
653-1502	5933	LF	0.29	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1720.57
653-1704	146	LF	3.81	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	556.26
653-1804	1076	LF	1.76	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	1893.76
653-3501	500	GLF	0.19	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	95.00
653-6004	1362	SY	2.61	THERMOPLASTIC TRAF STRIPING, WHITE	3554.82
653-6006	715	SY	2.80	THERMOPLASTIC TRAF STRIPING, YELLOW	2002.00
654-1001	208	EA	3.59	RAISED PVMT MARKERS TP 1	746.72
654-1003	72	EA	3.78	RAISED PVMT MARKERS TP 3	272.16
Section Sub Total:					\$17,530.37

Total Estimated Cost: \$749,863.52**Subtotal Construction Cost \$749,863.52**

E&C Rate 0.0 % \$0.00

Inflation Rate 5.0 % @ 0.0 Years \$0.00

Total Construction Cost \$749,863.52

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$749,863.52